10th Class 2016

Physics	Group-II	Paper-II
Time: 15 Minutes	(Objective Type)	Max. Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- The step down transformer:

(a) Decreases the input current

(b) Decreases the input voltage ✓

(c) Has more turns in secondary coil

(d) Has less turns in primary coil

2- Term "e-mail" stands for:

(a) Emergency mail (b) Extra mail

(c) External mail (d) Electronic mail ✓

3- Electroscope is used to detect:

(a) Charge ✓ (b) Voltage

(c) Pressure (d) Temperature

4- Example of primary memory is:

(a) Read only memory (ROM) ✓

(b) Hard disk

(c) Floppy disk (d) Audio cassette

5- If mass of the bob of a pendulum is increased by a factor of 3, the period of pendulum's motion will:

(a) Be increased by factor of 2

(b) Remain the same ✓

(c) Be decreased by factor of 2

(d) Be decreased by a factor of 4

6- **If X = A.B, then X is '1' when:**

(a) A = 1, B = 1 √ (b) A = 0, B = 0

(c) A = 0, B = 1 (d) A = 1, B = 0

7- **Example of mechanical waves is:**

(a) Radio waves (b) X-Rays

(c) Light waves (d) Sound waves √

8- **A lamp connected to a 12V source, when it carries 2.5A current, power will be:**

(a) 4.8 W (b) 14.5 W

(c) 30 W √ (d) 60 W

9- **The focal length (f) is related to radius of curvature (R) as:**

(a) $f = 2R$ (b) $R = \frac{f}{2}$

(c) $f = \frac{R}{2}$ √ (d) $f R = 2$

10- **The characteristic of sound by which we can distinguish between two sounds of same loudness and pitch is called:**

(a) Intensity (b) Quality √

(c) Loudness (d) Pitch

11- **One of isotope of Uranium is $^{238}_{92}U$. The number of neutrons in this isotope is:**

(a) 92 (b) 146 √

(c) 238 (d) 330

12- **In series combination of capacitors, each capacitor will have same:**

(a) Voltage (b) Charge √

(c) Capacitance (d) Charge and voltage